



PHIMS & IUID: Adding IUID Compliance to an Existing System



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Project: PHIMS IUID Implementation

Challenge: Add IUID Capability to PHIMS (Project History Inventory Management System) used by NSWCCD kitting and staging facilities at Philadelphia, Norfolk, and San Diego.

Scope: Provide the ability for these facilities to use IUID marks to manage material, to mark legacy items, and to register items.

Result: These facilities function as central locations for “opportunistic marking” of IUID-eligible equipment that passes through before it is distributed to the fleet.

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NSWCCD Philadelphia

- Receives and stages material for both DON and Joint Service programs
- Material is assembled and shipped to alteration installation teams around the world
- PHIMS is the in-house Automated Inventory System used by the facilities to manage material:
 - Web-based warehouse management system
 - Ties together material and personnel across the three staging facilities
 - Material is tracked from entry to exit and at all points within the facilities
 - Intermec CK-61 handheld computers with integrated barcode scanners that scan both linear barcodes and 2D data matrix marks
 - Wireless technology ensures speed, accuracy and flexibility

As a major staging facility, NSWCCD needed the ability to mark and process IUID-marked items

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Implementing IUID

IUID capability was added to PHIMS in 2008 over a period of 6 months using existing Automatic Identification Technology (AIT) equipment and Quick Compliance Tool Suite (QCTS) Tools. The following capabilities were added to PHIMS:

- Ability to identify items by IUID mark and track items using UII
- Marking capability: items can be marked using either pre-printed or facility-generated labels
- Items locally marked are processed for registration via the QCTS registration process

QCTS Tools are modular and can be easily incorporated into many material and inventory management systems. They are Navy-owned and available at www.qcts.org.

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Tracking Items With the UII

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Proj. Man.: Add Issue Task

Organization	NSWCCD
User name	perritt
Current Alt	MA-XXXX
Current Site	PHL
Page Loaded	02:17 PM 05/27/2008
to 0% of stock.	
View Label Status	
Hide WH Status	
Build Kits	
Put Away	
Issue Kit	
Issue Item	
Issue Serial	
Transfer Kit	
Transfer Item	
Transfer Serial	
Status at 02:15 PM	
Refresh Status	

Alt: MA-XXXX

NSN/Part Number: C/P/S (16331) 1
SDFGSDFGSDFG

Description: COMPUTER, 32-BIT PC AT

Site: PHL

Qty Owned: 1

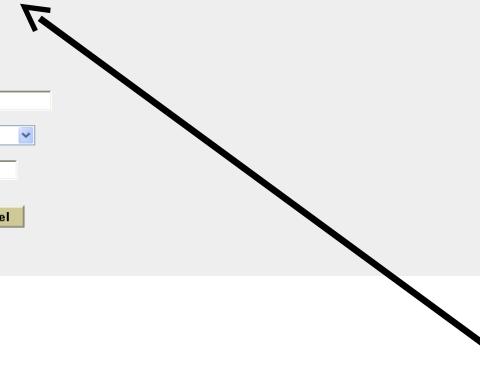
UII: D55555P553

Qty to Issue:

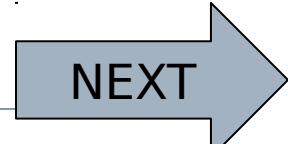
Issue To:

Activity:

Comment:



- ☐ IUID mark is scanned; item is tracked in database by UII

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Marking Capability

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View Item Details

Cage	16331	Site	PHL
Manufacturer	LOCKED MARTIN	Location	
Part Number	1	Site	PHL
Serial Number	FGSDFGSDFG	Shelf	RECEIVING
Description	COMPUTER, 32-BIT PC AT	Quantity	1
Bar Code	SER-000006772		
UIC	D55555P556		

Hazmat
 Serialized
 UID Required

Shelf Life

Local Unit Cost: \$ 5434.43 Site: PHL Owned By: MA-XXXX Quantity: 1

UI standard: EA UI multiplier: 1 UI local: EA Condition Code: None Set

Available

Site	Owned By	Quantity
PHL	MA-XXXX	1

Reserved for Issue or Site Transfer

Site	Owned By	Quantity
PHL	MA-XXXX	1

Reserved for Kits

Site	Owned By	Quantity
PHL	MA-XXXX	1

Print Labels (PHL Receiving- Phims2)
Print UID Labels (PHL Receiving- Phims2)

Receive This Item

Equivalent Items

NSN 7020-01-532-5346
CIP (16331) 63A 158007P1
CIPIS (16331) 1 DSFGSDFGSDFGHAA
CIPIS (16331) 1 ASDFASDFAAAAAA
CIPIS (16331) 1 JOHNJOHN

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- Check box flags item to be marked by warehouse personnel
- Ability to generate IUID labels in-house

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Marking Capability (cont'd)

- PHIMS can use pre-printed labels; when marking, pre-printed label is scanned to associate with item

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Admin : Order Pre-Printed Labels

Type of Labels	<input type="text"/>
Size of Labels	<input type="text"/>
Quantity to Reserve	<input type="text"/>

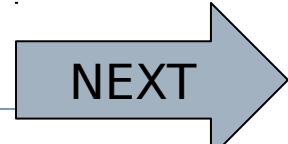
[View pre-ordered labels](#)
[View Label Status](#)
[Hide WH Status](#)

Build Kits

[Put Away](#) [Issue Kit](#) [Issue Item](#) [Issue Serial](#) [Transfer Kit](#) [Transfer Item](#) [Transfer Serial](#)

Status at 02:39 PM

- PHIMS electronically generates label orders
- System tracks serial numbers and ensures no duplicates are ordered.

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Registration Capability

- PHIMS generates output files of marked items for registration
- Non Registered UIDs report generates listing of items that are marked as UID Required but not registered

Phims 4

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Reports : Non Registered UIDs

Show any UID where the ULL is required but is not yet registered.

Download Type: HTML Web Page

Download Close

erred labels. Dowr
[View Label Status](#)

Hide WH Status

Build Kits

Put Away

Issue Kit

Issue Item

Issue Serial

Transfer Kit

Transfer Item

Transfer Serial

Status at 02:27 PM

Refresh Status

- Report can be in HTML or Excel format

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PHIMS and IUID

Result:

- PHIMS now fully IUID capable
 - Receive items already IUID marked
 - Track items in PHIMS by UII
 - IUID mark previously unmarked legacy items
 - Perform IUID Registry lookup
 - 24/7 status reporting

Conclusion:

- QCTS tools were initially developed and tested on PHIMS
 - QCTS Tools are being successfully used in a working environment

POC: Program Manager